

SUMMARY OF HYDROLOGIC CONDITIONS IN BIG CYPRESS BASIN

JULY, 2008

SUMMARY

The prevailing drought conditions received much needed relief with above normal rainfall received in July. Surface and groundwater levels responded favorably to catch up with the annual wet season cycle, but were slightly below normal. The water control structures were set to normal wet season operating schedules. Backpumping operations were discontinued. Phase II water restrictions continued across southwest Florida.

RAINFALL

Westerly winds in the upper atmosphere dominated the weather pattern for most of July in South Florida to generate regular frequency of summertime convective thunderstorms. Many of the stronger storms stayed inland. The weighted average rainfall of 14 reporting stations across the Basin was 11.14 inches, or 29 percent above normal rainfall for July. The cumulative rainfall for the year to date is approximately 11% below normal. A summary of rainfall recorded at various stations across the Basin is illustrated in Table No. 1 and Figure 1.

STREAMFLOWS AND GROUNDWATER LEVELS

Surface and groundwater levels in the canals, streams and regional aquifers continued to ride the upward trend of the annual wet cycle, but were slightly below normal July levels. Most of the water control structures were set to wet season operating schedules. A summary of the surface water stage hydrographs at selected locations is illustrated in Figures 2 and 3. Hydrographs of selected key indicator wells are illustrated in Figure 4. Due to low tailwater conditions, none of the four backpumping stations were operated.

The groundwater levels in the surficial water table aquifer recorded an average rise of 2.1 feet and the Lower Tamiami aquifer wells recorded an

average rise of 3.4 feet from the previous month, but stayed at slightly below normal July levels. Phase II water restriction continued across southwest Florida. The District staff has aggressively reminded residents to cut back on water use as far as practicable.

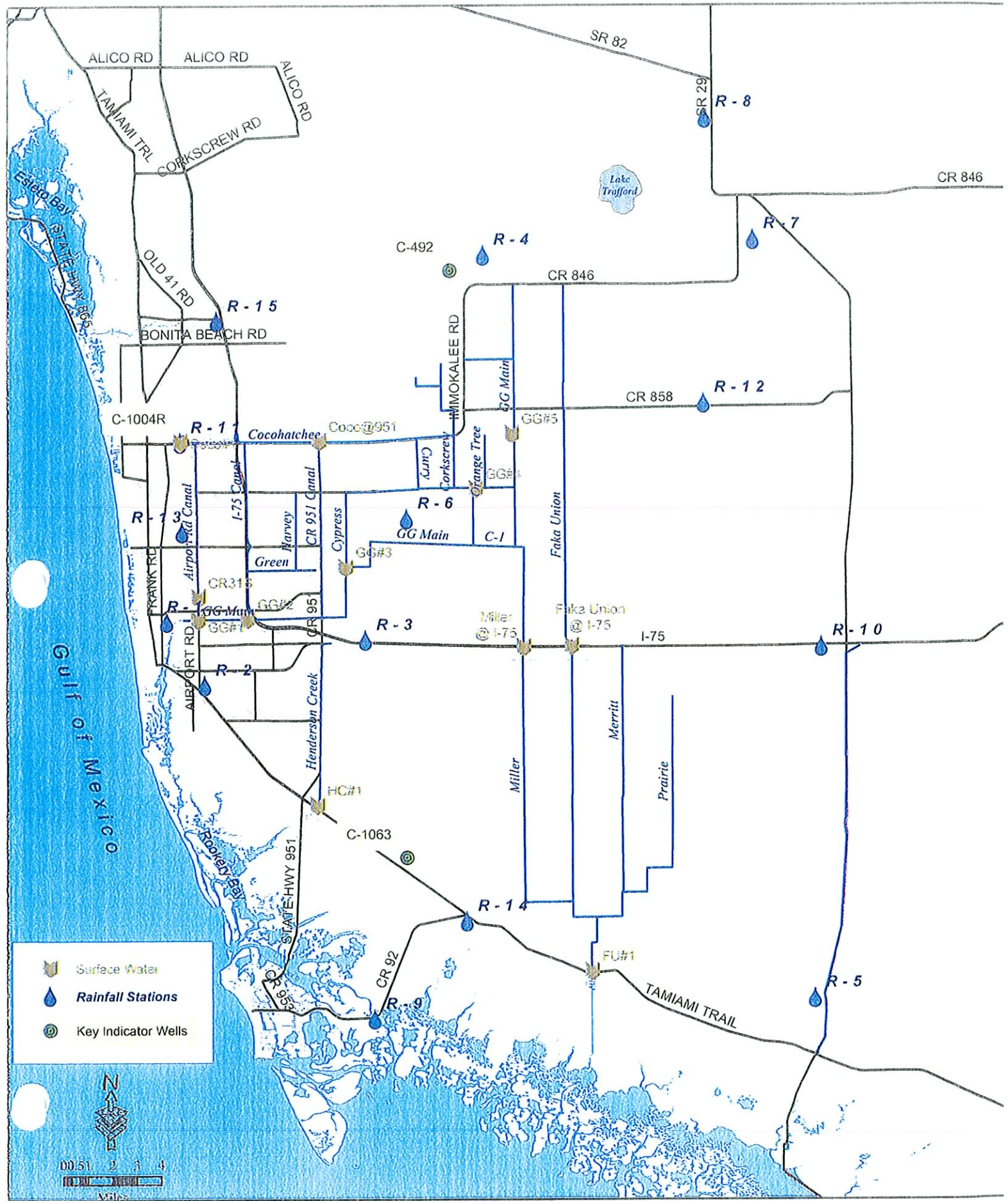
WATER USE

The average daily raw pumpages by the major public water utilities in the Basin during July 2008 are as follows:

Average Daily Raw Water Pumped (MGD)

Utility	July 2008	July 2007
1. City of Naples Water Utility	13.84	15.57
2. Collier County Utilities	N/A	25.84
3. Marco Island Water Utility*	N/A	5.30
4. Immokalee Water & Sewer District	1.67	2.14

* Surface water only.



MAP 1

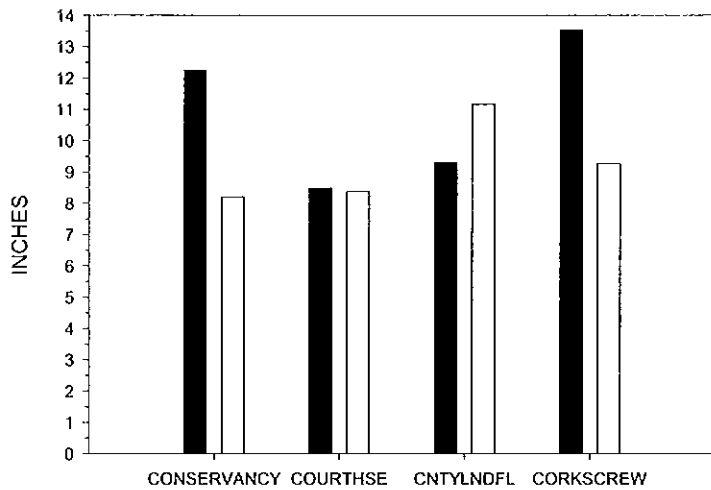
TABLE 1
RAINFALL REPORT – JULY 2008
DISTRICT/BASIN RAINFALL STATIONS
(ALL NUMBERS ARE IN INCHES)

STATION INDEX NO.	STATION NAME	CURRENT MONTH 2008	LONG TERM AVERAGE FOR THIS MONTH	CALENDAR YEAR 2008 CUMULATIVE TOTAL	AVERAGE CALENDAR YEAR TO DATE	LONG TERM YEARLY AVERAGE
R-1	CONSERVANCY	12.25	8.21	30.72	28.61	52.67
R-2	COLLIER COUNTY COURTHOUSE	8.49	8.39	25.38	28.40	52.08
R-3	COLLIER COUNTY LANDFILL	9.30	11.16	23.17	34.52	64.10
R-4	CORKSCREW SWAMP SANCTUARY	13.52	9.27	31.73	33.76	58.21
R-5	FAKAHATCHEE STRAND STATE PRESERVE					61.94
R-6	GOLDEN GATE FIRE STATION #2	13.45	10.14	36.02	31.59	57.32
R-7	IMMOKALEE LANDFILL	6.17	7.84	28.44	29.67	51.93
R-8	IFAS (INST. OF FOOD/AGRICULTURE) N. IMMOKALEE	12.21	7.31	31.47	29.29	50.91
R-9	MARCO ISLAND R.O. PLANT	8.71	8.02	23.24	29.90	54.43
R-10	FAKAHATCHEE NORTH END	8.60	9.37	31.96	35.21	61.03
R-11	COCOHATCHEE STRUCTURE #1	9.68	7.41	23.43	26.16	47.88
R-12	SILVER STRAND (AVE MARIA)	11.58	7.76	21.10	31.73	56.30
R-13	BCB FIELD STATION	16.30	8.46	30.85	29.54	55.03
R-14	COLLIER/SEMINOLE STATE PARK	14.31	8.32	21.10	28.77	54.43
R-15	BONITA SPRINGS WATER PLANT	11.40	8.56	23.58	30.09	54.07

MONTHLY AND YEAR-TO-DATE RAINFALL AT SELECTED LOCATIONS

JULY 2008

MONTHLY TOTAL RAINFALL



RAINFALL TO DATE, YEAR 2008

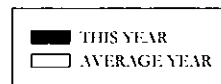
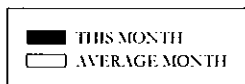
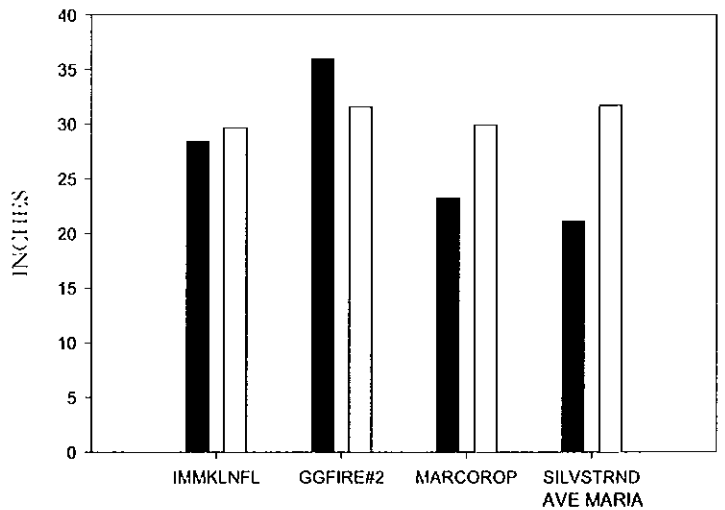
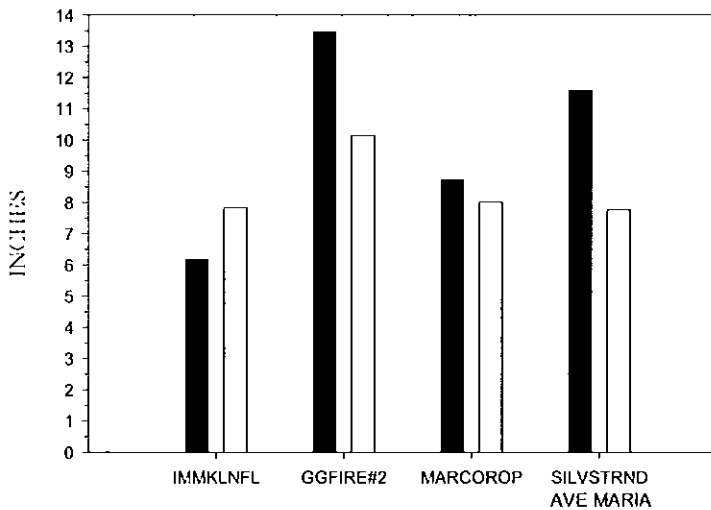
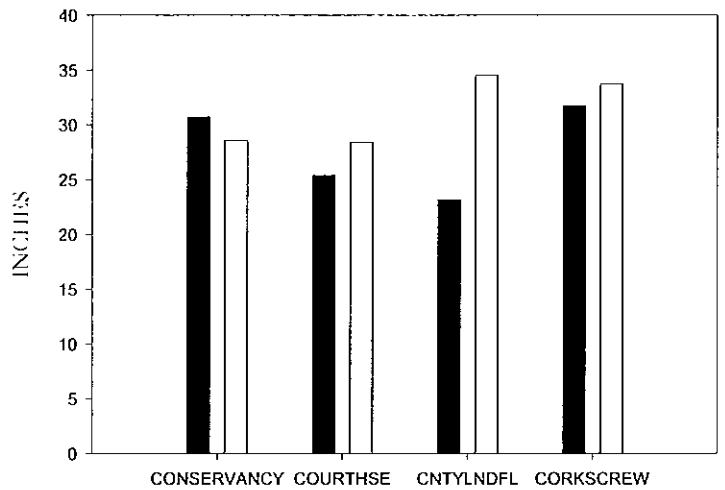


FIGURE 1

MONTHLY MEAN CANAL STAGES AT SELECTED LOCATIONS 2008

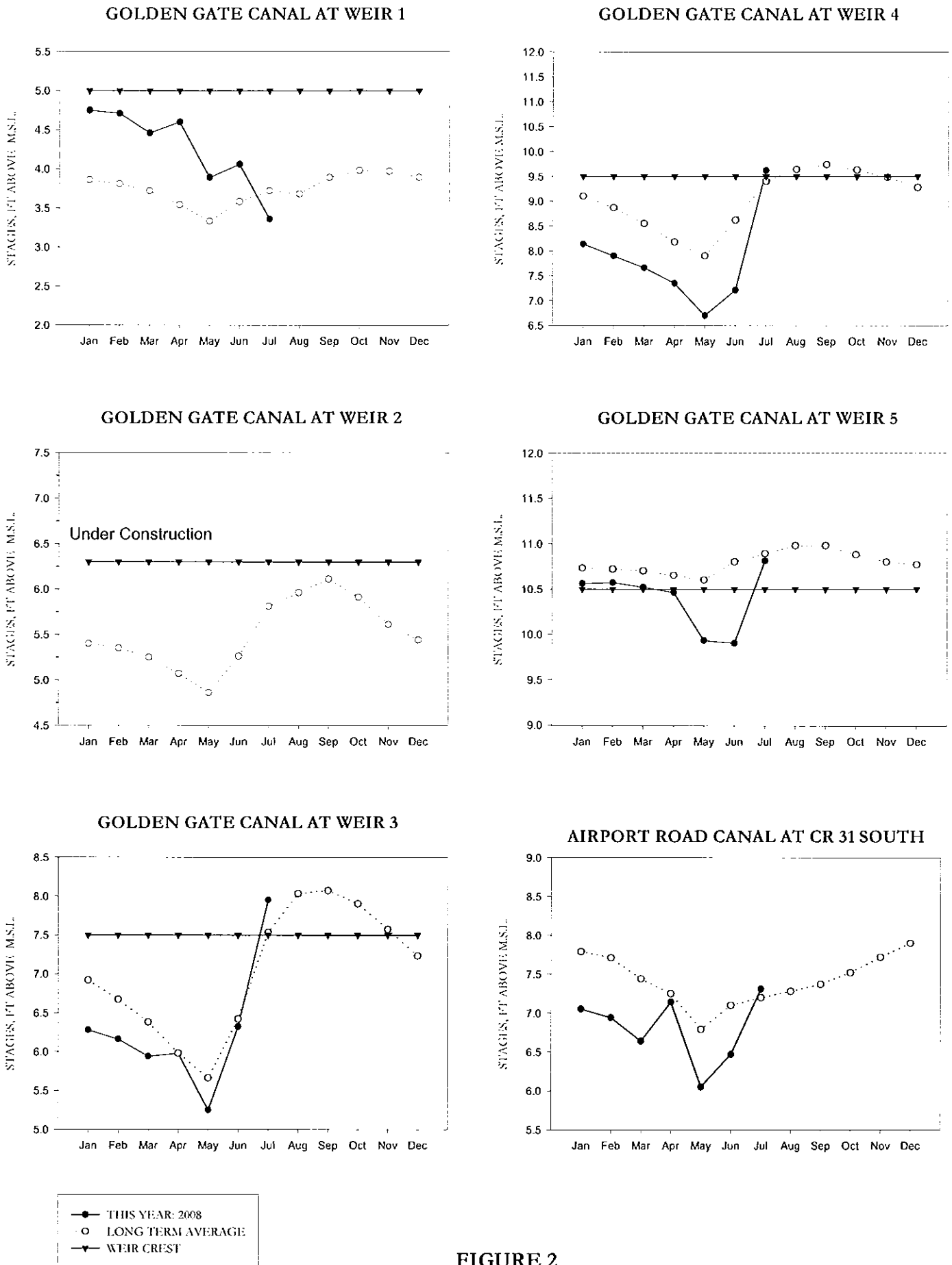


FIGURE 2

MONTHLY MEAN CANAL STAGES AT SELECTED LOCATIONS 2008

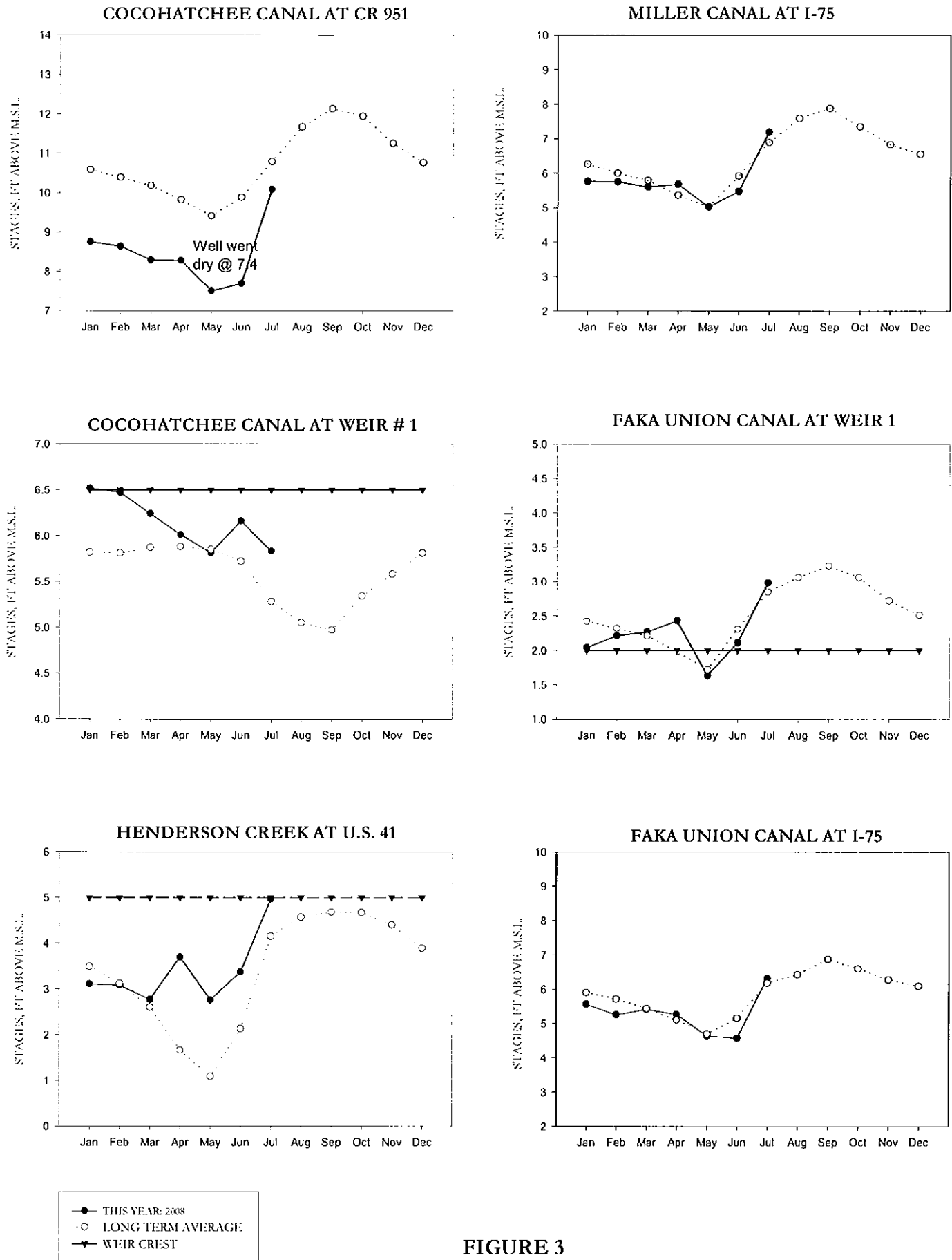
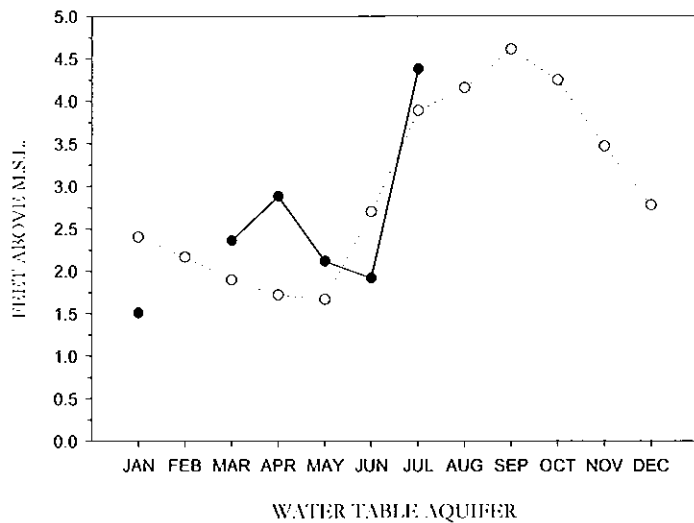


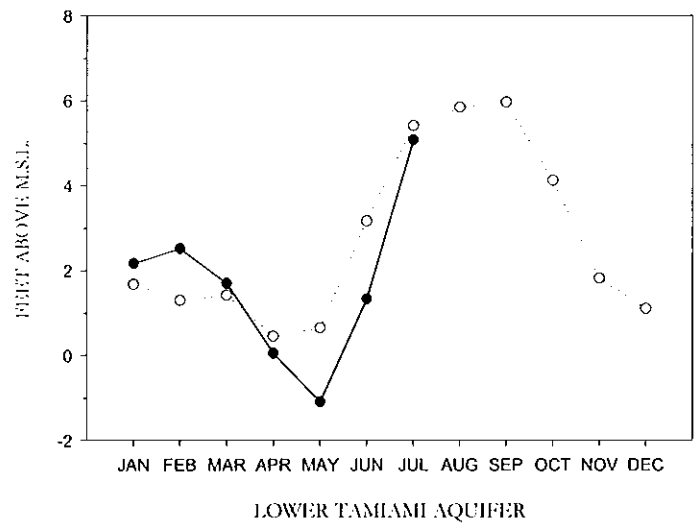
FIGURE 3

GROUNDWATER LEVELS AT SELECTED LOCATIONS 2008

GROUND WATER LEVELS AT WELL C-1063
NEAR SIX IS FARM ON US 41 EAST



GROUND WATER LEVELS AT WELL C-1004R
PALM RIVER BOULEVARD, NORTH NAPLES



GROUND WATER LEVELS AT C-492
CORKSCREW SWAMP SANCTUARY

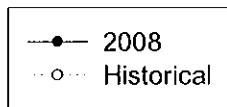
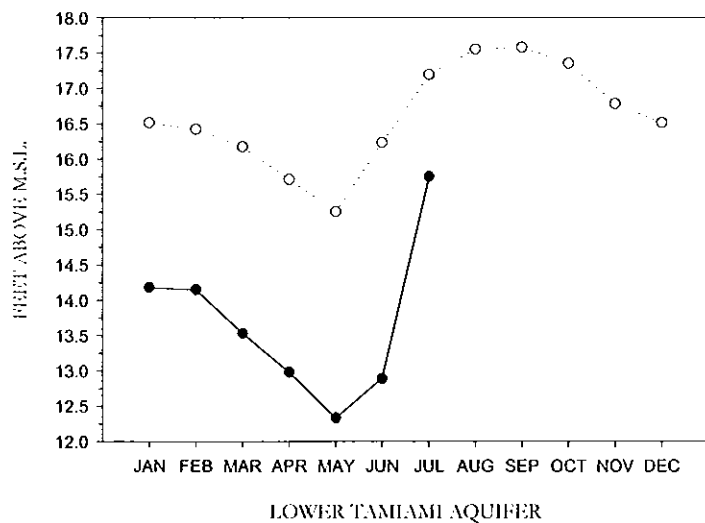


FIGURE 4

WATER USE BY MAJOR PUBLIC UTILITIES 2008

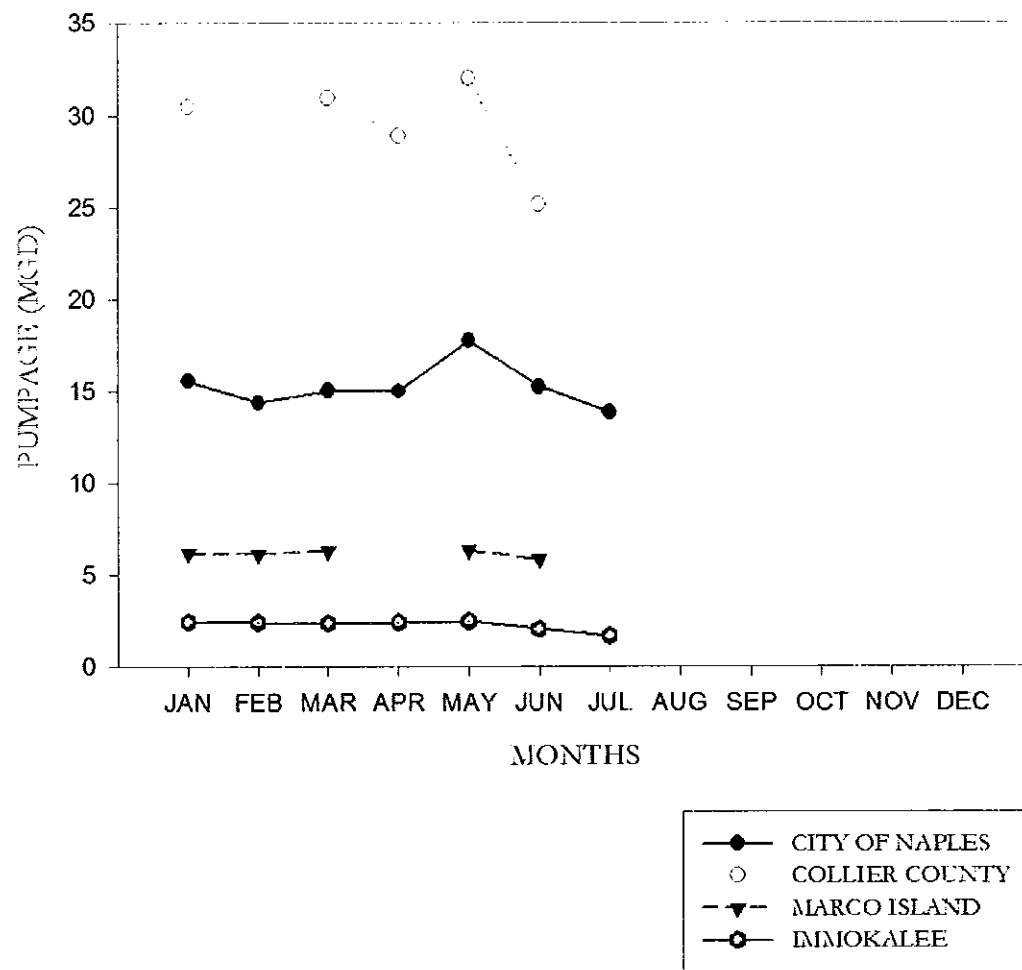


FIGURE 5